

2/9/83

SIG (SPACE)
SPACE LAUNCH
POLICY
WORKING GROUPPROPOSED
INTERAGENCY SPACE LAUNCH POLICY WORKING GROUP
TERMS OF REFERENCETasks

The Working Group's Tasks are divided into three Phases. Phase I dealt with NASA FY84 funding of production of the fifth orbiter and is completed. Phase II deals with the Commercialization of Space Transportation and Phase III the questions of leadership in space and the definition of fully operational and cost effective operations. Phase II is divided into two sections:

- oo Phase IIA - COMMERCIALIZATION OF EXISTING EXPENDABLE LAUNCH VEHICLES (ELV) and
- oo Phase IIB - COMMERCIALIZATION OF NEW SPACE TRANSPORTATION ELV'S AND AUGMENTATION OF THE SPACE SHUTTLE

Phase IIA Tasks - Existing ELV's

Task A - Background data on Commercial ELV Ventures and Shuttle operations.

1. Outline assumptions for current Shuttle mission model (NASA)
 - a. Flights per year
 - b. Cost per Flight (75\$)
 - c. Estimate of reduced mission model based on ELV (U.S. and foreign) Commercial Operations.
2. Outline Potential Commercial ELV Systems (DOD)
 - a. Atlas/Centaur
 - b. Delta
 - c. Titan
 - d. Other Potential Systems

Describe in terms of class of vehicle and potential operations.

Task B - Define U.S. policy pertinent to U.S. Commercialization of ELV's

1. List Current U.S. National Policy (OSTP)
2. Economic Issues (NASA/DOD)
 - a. Describe Impact on Industrial Base
 - b. Competition with Foreign Programs
 - c. What should be U.S. Policy in Terms of Government Support.
 - (1) Charges for Ranges
 - (2) Charges for Existing Facilities
 - (3) Recovery of Sunk Costs
 - (4) Potential Government Incentives
 - (5) Potential Government Liabilities (State)
3. National Issues (NASA/DOD)
 - a. Concerns Relative to Safety and Use of Joint Facilities
 - b. Potential Use as Back-up Launch Capability
 - c. Priority Uses of Government/Commercial Facilities
 - d. Oversight/Approval of Payloads (State)
4. Legal/Regulatory Aspects of Commercialization Process Review (State/Commerce)
 - a. International Law
 - b. National Law
 - c. New Legislation Requirements
 - d. Forums/Methods of Government Oversight
 - (1) Principle Regulatory Agency
 - (2) Regulatory Requirements for Commercialization
 - (3) Regulatory Requirements for Providing Launch Services to Various Users (Foreign, U.S. Commercial, etc.)
5. Industry Obligations (NASA/DOD/State)
 - a. Indemnification or Insurance (State)
 - b. Documentation Standards
 - c. Other

Task C - Outline Alternative STS and Commercial ELV Competitive Pricing Schemes

1. STS Pricing (NASA)

- a. STS Flights Priced on Additive Costs
- b. " " " " Direct Costs
- c. " " " " Full Costs

Definition of Costs will be Provided as Part of the Answer.

2. ELV Pricing (NASA/DOD)

- a. Current Government ELV Pricing
- b. Price Based on STS Competitive Prices
- c. Price Based on Foreign ELV Pricing
- d. Other Considerations

3. Compare the Various STS and ELV Pricing Strategies (TBD/All)

- a. Range of Price Differentials
- b. Resultant Impact on U.S. Government Costs and the Price of Shuttle Flights to U.S. Government and Other Users.

4. Methods/Options to Reduce Impacts to Shuttle Costs and Operations that Result from Commercial ELV Operations. (TBD/All)

- a. Changes in Pricing
- b. Changes in Quality of Service to Customer
- c. Changes in Customer Expectations of Advantages of Shuttle Use.

Task D - Outline of Characteristics of Foreign Government/
Systems Launch Services and Policies (NASA)

Task E -

1. Identify Policy Recommendations and Note Advantages and Disadvantages
2. Provide Recommendations for IG (Space) Review in Order to Support Industry Request for Government Intentions.

Process

1. Working Group Develop draft ELV Commercialization Study
2. Working Group Comment on Draft Document--Background Study, Policy Statement and Recommendations.
3. Co-chair, Consolidate Comments and Reissue Draft
4. Provide Draft to IG (Space) Principals for Review and Comment
5. Consolidate Comments and Hold IG (Space) Meeting to Review/ Approve Output.

Schedule

Interim Report, Recommendations and Draft Policy--April 15

Final Report and Draft NSDD to IG (Space)--May 15